CLAIMS

We claim:

A computerized method for generating a recommendation of an
 item to an advisee, comprising the steps of:

receiving a recommendation request from an advisee for a recommendation by a recommendation system;

in response to the recommendation request, computing a plurality of similarity factors that indicate similarity between the advisee and a plurality of users of the recommendation system who have previously provided ratings of a plurality of items;

selecting, from the plurality of users of the recommendation system, neighboring users to the advisee, according to the similarity factors;

- generating a recommendation of at least one item of the plurality of items, according to the previously provided ratings of the plurality of items by the neighboring users.
 - 2. The method of claim 1, wherein the recommendation request includes a selected item list, and wherein all items upon which the

step of computing depends are included in the selected item list.

- 3. The method of claim 2, wherein the recommendation of at least one item includes only items that are included in the selected item 5 list.
 - 4. The method of claim 1, wherein the step of selecting neighboring users excludes any user whose similarity with the advisee is below a predetermined threshold.

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- 5. The method of claim 1, wherein the step of step of computing and the step of selecting are executed substantially in parallel by inserting each newly computed similarity factor into a neighbor list in decreasing order of similarity and by limiting length of the neighbor list by excluding a user with lowest similarity if otherwise the neighbor list would exceed a predetermined length.
- 15 6. The method of claim 1, further including the step of caching identifiers of the neighboring users, associated similarity factors, and time stamps.
- A user profile for a recommendation system, comprising a
 plurality of records, each record including a user identifier, an
 item identifier, and a rating value, wherein each record is linked

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in a first and a second dimension, the first dimension linking records with a same user identifier in a sequence according to the item identifier, and the second dimension linking records with a same item identifier in a sequence according to the user 5 identifier.